

What is claimed is:

1. A packet communication charge pre-notification
2 system including:

3 a mobile station;

4 a packet communication network containing a
5 mobile communication network connected to said mobile
6 station by radio; and

7 a terminal connected to said mobile station
8 via the packet communication network,

9 said mobile station comprising:

10 control means for forming packet data from
11 digital data and transmitting the packet data to said
12 terminal via the packet communication network in
13 accordance with transmission permission from a user;

14 counting means for counting the formed packet
15 data before transmission; and

16 display means for displaying a communication
17 charge calculated on the basis of a counting result of
18 said counting means before the packet data is
19 transmitted.

2. A system according to claim 1, wherein

2 said mobile station further comprises charge
3 calculation means for calculating a communication charge
4 on the basis of the counting result of said counting
5 means, and

6 said display means displays the communication
7 charge output from said charge calculation means.

3. A system according to claim 2, wherein said
2 charge calculation means comprises:
3 memory means which stores a first charge table
4 for packet communication; and
5 calculation means for calculating a
6 communication charge by looking up the first charge
7 table in accordance with the counting result of said
8 counting means before packet transmission.

4. A system according to claim 1, wherein
2 said mobile station further comprises
3 transmission means for transmitting the counting result
4 of said counting means to the packet communication
5 network,
6 the packet communication network further
7 comprises charge calculation means for calculating a
8 communication charge on the basis of a counting result
9 from said mobile station and notifying said mobile
10 station of the communication charge, and
11 said display means displays the communication
12 charge notified from the packet communication network.

5. A system according to claim 4, wherein said
2 charge calculation means comprises:

3 memory means which stores a charge table for
4 packet communication; and
5 calculation means for calculating a
6 communication charge by looking up the charge table in
7 accordance with the counting result transmitted from
8 said mobile station.

6. A system according to claim 4, wherein
2 said terminal counts packet data to be
3 transmitted from said terminal to said mobile station
4 before transmission, and
5 said charge calculation means calculates a
6 communication charge on the basis of a counting result
7 from said terminal.

7. A system according to claim 1, wherein said
2 control means transmits packet data in accordance with
3 transmission permission from the user on the basis of a
4 communication charge look-up result displayed on said
5 display means.

8. A system according to claim 1, wherein
2 said counting means counts packet data while
3 the packet data is transmitted/received, and outputting
4 a counting result after end of packet communication, and
5 said display means displays a packet
6 communication charge calculated on the basis of the

7 counting result of said counting means, and notifies the
8 user of the packet communication charge after the packet
9 data is transmitted/received.

9. A system according to claim 3, wherein
2 said memory means stores cumulative speech
3 communication data of a circuit switching service, a
4 second charge table, and a cumulative packet data amount
5 of packet communication in addition to the first charge
6 table,
7 said calculation unit calculates a cumulative
8 communication charge of packet communication, a
9 cumulative speech communication charge of the circuit
10 switching service, and a sum of the cumulative charges
11 by looking up the first and second charge tables in
12 accordance with the cumulative packet data amount and
13 the cumulative speech communication data, and
14 said display means displays at least the sum
15 of the cumulative charges and notifies the user of a
16 cumulative charge as the sum of the charges of the
17 circuit switching service and packet communication.

10. A system according to claim 1, wherein said
2 mobile station further comprises input means for
3 allowing the user to input transmission permission.

11. A packet communication charge

2 pre-notification system including:
3 a mobile station;
4 a packet communication network containing a
5 mobile communication network connected to said mobile
6 station by radio; and
7 a terminal connected to said mobile station
8 via the packet communication network, comprising:
9 control means, installed in said mobile
10 station, for forming packet data from digital data and
11 transmitting the packet data to said terminal via the
12 packet communication network in accordance with
13 transmission permission from a user;
14 counting means, installed in one of said
15 mobile station and said terminal, for counting the
16 formed packet data before transmission;
17 memory means which is installed in one of said
18 mobile station and the packet communication network and
19 stores a charge table for packet communication;
20 calculation means, installed in one of said
21 mobile station and the packet communication network, for
22 calculating a communication charge by looking up the
23 first charge table in accordance with a counting result
24 of said counting means before packet transmission; and
25 display means, installed in said mobile
26 station, for displaying the communication charge output
27 from said calculation means before packet transmission.